

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as indicated hereafter. It is believed that the following amendments and additions add no new matter to the present application.

In the Specification: [Use ~~strikethrough~~ for deleted matter (or double square brackets “[[]]” if the strikethrough is not easily perceivable, i.e., “4” or a punctuation mark) and underlined for added matter.]

Please amend the paragraph starting on p. 1, line 4 as follows:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part of copending U.S. utility application entitled, “Systems and Methods for Providing an Automated Diagnostic Audit for Cluster Computer Systems,” having Serial No. 09/840,784, and filed April 23, 2001, which is hereby incorporated in its entirety by reference. This application is also related to copending, and concurrently-filed, U.S utility application entitled “Systems and Methods for Providing Automated Diagnostic Services for a Cluster Computer System,” (Atty. Docket No. 050820-1650; HP Docket No. 10013525-1) having Serial No. 10/005,555, [[_____]] and filed October 26, 2001, which is hereby incorporated by reference in its entirety.

Please amend the paragraph starting on p. 12, line 24 as follows:

It should be understood by those of ordinary skill in the art that there are numerous ways to implement automated cluster audit system 102. For instance, as illustrated in FIGS. 1 and 2, automated cluster audit system 102 may be leveraged in an application service provider (ASP) environment. In these embodiments, cluster computer systems 100 may subscribe to the services provided by automated cluster audit system 102. In this manner, information associated with a cluster computer system 100 and collected by cluster data collection module 125, such as described above, may be periodically provided to automated cluster audit system 102 when a diagnostic audit is desired. In response to the request for a diagnostic audit, automated cluster audit system 102 may then provide the diagnostic information. The diagnostic information may be provided directly to cluster computer system 100 or to some network management entity, or similar entity, affiliated with cluster computer system 100.

Please amend the paragraph starting on p. 21, line 20 as follows:

A block 606, automated cluster audit module 210 associates each of a portion of the plurality of system configuration parameters for each node 104 with one of the plurality of system configuration categories. At block 608, automated cluster audit module 210 generates audit information based on a comparison of each of the portion of the plurality of system configuration parameters for each node 104 to the threshold benchmark for the associated system configuration category. In situations where the threshold benchmarks incorporate a relative ranking process as illustrated in FIG. 5, the audit information is generated based on a comparison of each of the portion of the plurality of system configuration parameters for each node 104 to the threshold benchmarks for the associated system configuration category.

Please amend the paragraph starting on p. 22, line 22 as follows:

Referring to FIG. 7, at block 700, automated cluster audit module 210 may identify all drives corresponding to each node in cluster computer system 100. At decision block 702, automated cluster audit module 210 may determine whether all of the drives are unique. For example, automated cluster audit module 210 may determine whether each device driver type and/or instance of the device driver are unique. One of ordinary skill in the art will appreciate that applications 123 and clients 108 see a shared drive from the nodes 104 within cluster computer system 100. The shared drive may be seen through a unique designation, which may comprise a device driver and/or a specific alphanumeric designation for each device under the same drive. Each storage device may have a specific pathway that ~~that~~ may be tested for proper assignment of sequential numbering. This may include tests to prevent erroneous configuration of colliding drive addresses within the same node 104, as well as prevent cluster wide inconsistencies. For instance, colliding device pathways having the same designation within a node 104 or inconsistent device pathways within the cluster computer system 100 may disrupt the ability of a node 104 to share storage device 119 during a failover. If there is a colliding device pathway, the node 104 may be unable to resolve the correct device for access before and after fail-over. Additional tests may be used to confirm that device pathway addressing conventions are sequenced to simplify configuration representations so that they may be easily

memorized by service personnel. These tests may look for ways to simplify drive pathway sequencing and reduce discontiguous integers or alphabets in the sequencing. Further tests may verify that the sequencing of the device as designated by the device driver is as uniform as possible between any two nodes 104 within the cluster computing system 100.

Please amend the paragraph starting on p. 26, line 12 as follows:

As shown in blocks 714, 718, and 720, automated cluster audit module 210 may perform a read/write test on each of the shared drives identified at block 712. For instance, at block 718, automated cluster audit module 210 may perform a read/write test for the shared drive. In a preferred embodiment, the read/write test is a nondestructively bounded pseudorandom read/write test. In one embodiment, the read/write test may be a modified version of a factory read/write test.[[.]] In this regard, automated cluster audit module 210 may reduce warranty and shipping costs by scheduling as many factory repair certification tests as soon as practical.

AMENDMENTS TO THE DRAWINGS

In the Drawings:

Please replace drawing sheet 6 (showing FIG. 6) with the newly-submitted figure attached herewith on a separate sheet.

The following are the changes and/or corrections made to the drawings:

FIG. 6: A typographical error is fixed wherein the redundant phrase "associated with the plurality of configuration categories" in block 602 is deleted.